

ABSTRACT OF THE DISCLOSURE

A multwell plate having a plurality of picowells on the bottom of the wells of the plate as well as methods of producing the multwell plate are provided. Provided is also a method of handling living cells by providing an ordered array of living cells immobilized in a non-fluid matrix, contacting the living cells with a stimulus; and detecting a response to the stimulus. The present invention is also of a method of producing an ordered array of living cells.